10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

STAR Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant STAR.
Catalog # AT4059a

Product Information

Application	WB, E
Primary Accession	P49675
Other Accession	BC010550
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5F9
Calculated MW	31914

Additional Information

Gene ID	6770
Other Names	Steroidogenic acute regulatory protein, mitochondrial, StAR, START domain-containing protein 1, StARD1, STAR, STARD1
Target/Specificity	STAR (AAH10550, 81 a.a. ~ 180 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	STAR Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

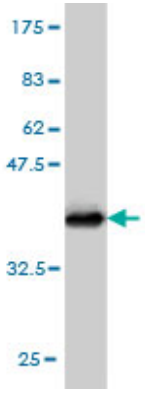
The protein encoded by this gene plays a key role in the acute regulation of steroid hormone synthesis by enhancing the conversion of cholesterol into pregnenolone. This protein permits the cleavage of cholesterol into pregnenolone by mediating the transport of cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane. Mutations in this gene are a cause of congenital lipoid adrenal hyperplasia (CLAH), also called lipoid CAH. A pseudogene of this gene is located on chromosome 13.

References

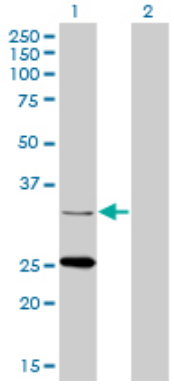
1.Tissue Culture Media Supplemented with 10% Fetal Calf Serum Contains a Castrate level of

Testosterone.Sedelaar JP, Isaacs JT.Prostate. 2009 Dec 1;69(16):1724-9.

Images

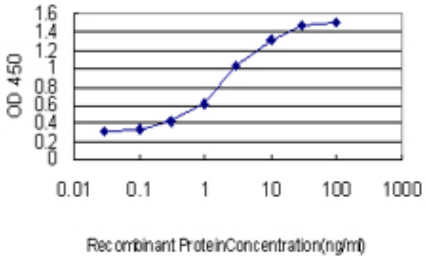


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .

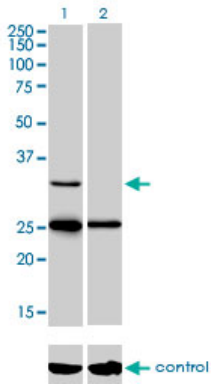


Western Blot analysis of STAR expression in transfected 293T cell line by STAR monoclonal antibody (M01), clone 5F9.

Lane 1: STAR transfected lysate(31.9 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged STAR is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of STAR over-expressed 293 cell line, cotransfected with STAR Validated Chimera RNAi ((Cat # AT4059a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.